U.S. Patent Application No. 10/731,811
Title: Process for Manufacturing Morpholino-Nucleotides, and
Use....Analysis of and Labelling of Nucleic Acid Sequences

Inventor: Florence MARCIACQ et al. Filing Date: December 9, 2003

New Sheet

Figure 5



Sequence to be analysed (polymerase template)

3' HO-ApTpGpCpApApTpCpCpGpApTpGpApCpTpGpApGpCpCpApTpCpG 5' (SEQ ID NO: 1)

<u>Primer</u>

+

5' TpApCpGpTpTpApGpGpC-OH 3' (SEQ ID NO: 2)

3' HO-ApTpGpCpApApTpCpCpGpApTpGpApCpTpGpApGpCpCpApTpCpG 5' 5' TpApCpGpTpTpApGpGpC-OH 3'

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Figure 6

Sequence to be analysed (polymerase template)

3' HO-ApTpGpCpApApTpCpCpGpApTpGpApCpTpGpApGpCpCpApTpCpG 5' (SEQ ID NO: 1)

<u>Primer</u>

+

5' TpApCpGpTpTpApGpGpC-OH 3' (SEQ ID NO: 2)

3' HO-ApTpGpCpApApTpCpCpGpApTpGpApCpTpGpApGpCpCpApTpCpG 5' 5' TpApCpGpTpTpApGpGpC-OH 3'

The newly synthesized chain no longer contains 3' OH required to attach the next nucleotide